Address

Country

Signature

Name (Print/Type)

City

Boston

Michael A. Diener

PTO/SB/05 (11-00) Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Zip Code

Fax

Date

02109

11-16-01

617-526-5000

Please type a plus sign (+) inside this box Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. ot No. 111.465.123 (PROV 104/118) 216)

	Attorney Docket No.			
PATENT APPLICATION	First Inventor Gowri Kumari Pyapali			
TRANSMITTAL	Title Methods and Apparatus for Detecting and*			
(O (Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Lahel No EL538702903US			
APPLICATION ELEMENTS	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application			
See MPEP chapter 600 concerning utility patent application contents.	Washington, DC 20231			
1. Submit an original and a duplicate for fee processing)	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)			
2. Applicant claims small entity status. See 37 CFR 1.27.	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (If applicable, all necessary)			
3. Specification [Total Pages 36]	a. Computer Readable Form (CRF)			
 Descriptive title of the invention 	b. Specification Sequence Listing on:			
 Cross Reference to Related Applications Statement Regarding Fed sponsored R & D 	I. CD-ROM or CD-R (2 copies); or			
 Reference to sequence listing, a table, 	ii. paper			
or a computer program listing appendix - Background of the Invention	c. Statements verifying identity of above copies			
- Brief Summary of the invention	ACCOMPANYING APPLICATION PARTS			
 Brief Description of the Drawings (if filed) Detailed Description 	Assignment Papers (cover sheet & document(s))			
- Claim(s)	37 CFR 3.73(b) Statement Power of			
- Abstract of the Disclosure	10. (when there is an assignee) Attorney			
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 18]				
5. Oath or Declaration [Total Pages 3]	12. Information Disclosure Statement (IDS)/PTO-1449 Citations			
a. Newty executed (original or copy)	13. Preliminary Amendment			
a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)	14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)			
I. DELETION OF INVENTOR(S)	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)			
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR	Request and Certification under 35 U.S.C. 122			
1.63(d)(2) and 1.33(b).	(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.			
6. Application Data Sheet. See 37 CFR 1.76	17. Other:			
18. If a CONTINUING APPLICATION, check appropriate box, and su	pply the requisite information below and in a preliminary amendment,			
or in an Application Data Sheet under 37 CFR 1.76:	A December 1			
Continuation Divisional Continuation-in-part (CIP)	•			
Prior application information: Examiner	Group Art Unit: the prior application, from which an eath or declaration is supplied under			
Box 5b, is considered a part of the disclosure of the accompanying conti The incorporation can only be relied upon when a portion has been inadv	nustion of divisional application and is netern incorporated by relevence.			
	DENCE ADDRESS			
Customer Number or Bar Code Label	or Correspondence eddress below			
Name Michael A. Diener				
Hale and Dorr LLP				
Address 60 State Street				

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

State

Telephone

MA

617-526-6454

Registration No. (Attorney/Agent) 37,122

PTO/S8/17 (11-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2002

Patent fees are subject to ennual revision.

X Applicant dalms small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

Complete if Known						
Application Number	TBA					
Filing Date	November 16, 2001					
First Named Inventor	Gowri Kumari Pyapali					
Examiner Name	ТВА					
Group Art Unit	ТВА					
Attornous Docket No.	111 ACE 122 (PROV 104/118/					

METHOD OF PAYMENT (check all that apply)			FEE CALCULATION (continued)						
Check Credit card Money Other None		3. A	3. ADDITIONAL FEES						
Deposit Account:		Large Entity Small Entity							
Deposit F				Fee	Fee	Fee	Fee	Fee Description	Fee Paid
Account	08-0219	9		105	130	Code 205	65 65	Surcharge - late filling fee or oath	
Number Deposit						25	Surcharge - late provisional filing fee or		
Account Name Hale and Dorr LLP			127	50	227	25	cover sheet		
The Commissioner is authorized to: (check all that apply)		139	130	139	130	Non-English specification			
	s) indicated belo	w Credit any over during the pendency of this		147	2,520	147	2,520	For filing a request for ex parte reexamination	
				112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filling fee to the above identified deposit account		113	1,840°	113	1,840°	Requesting publication of SIR after			
	FEE CA	LCULATION						Examiner action Extension for reply within first month	
1. BASIC FI	LING FEE			115	110	215	55	Extension for reply within second month	
Large Entity	Small Entity			116	400	216	200	Extension for reply within third month	
Fee Fee Code (\$)	Fee Fee Code (\$)	Fee Description	Fee Paid	117	920	217	460 720	Extension for reply within fourth month	
101 740	201 370	Utility filing fee	70.00		1,440		980		
106 330	206 165	Design filing fee		128	1,960			Extension for reply within fifth month	
107 510	207 255	Plant filing fee		119	320	219	160	Notice of Appeal	
108 740	208 370	Reissue filing fee		120	320	220	160	Filing a brief in support of an appeal	
114 160	214 80	Provisional filing fee		121	280	221	140	Request for oral hearing Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 370.00		138 140	1,510	138	1,510 55	Petition to revive - unavoidable			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1	1.280	241	640	Petition to revive - unintentional			
Z. EXTRA C		Fee from	Fee Paid		1,280	242	640	Utility issue fee (or reissue)	
	29 -20**	Extra Claims below 9.00 =	81.00	143	460	243	230	Design issue fee	
Total Claims Independent	3 .3"	- == -==		144	620	244	310	Plant issue fee	
Claims Multiple Deper	٠٠٠٠ ٠	·		122	130	122	130	Petitions to the Commissioner	
manupio sopoi	~~~			123	50	123	50	Processing fee under 37 CFR 1.17(q)	
Large Entity	Small Entity			126	180	126	180	Submission of Information Disclosure Stmt	
Fee Fee Code (\$)	Fee Fee Code (\$)	Fee Description		581	40	581	40	Recording each patent assignment per	
103 18	203 9	Claims in excess of 20		"	•••			property (times number of properties)	
102 84	202 42	Independent claims in ex		146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
104 280	204 140	Multiple dependent claim		149	740	249	370	For each additional invention to be	
109 84	209 42	** Reissue independent of over original patent	claims					examined (37 CFR § 1.129(b))	
110 18	210 9	** Reissue claims in exce	ess of 20	179	740	279		Request for Continued Examination (RCE)	
	•	and over original paten	ii	169	900	169	900	Request for expedited examination of a design application	
SUBTOTAL (2) (\$) 81.00		Other fee (specify)				<u></u>			
				•Ra	duced 1	v Bas	sic Filin	g Fee Paid SUBTOTAL (3) (\$)	
**or numbe	r previously pale	d, If greater; For Reissues,	See SDOVE			,		, , ,	

SUBMITTED BY			Complete (if applicable)
Name (Pnnt/Type)	Michael A. Diener	Registration No. (Attorney/Agent) 37,122	Telephone 617-526-6454
Signature	Mulach Cho		Date - 6-0

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.